

Date: Fri, 3 Sep 93 04:30:28 PDT  
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>  
Errors-To: Ham-Space-Errors@UCSD.Edu  
Reply-To: Ham-Space@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Space Digest V93 #20  
To: Ham-Space

Ham-Space Digest                      Fri, 3 Sep 93                      Volume 93 : Issue    20

Today's Topics:

11 year old with an interest in Space  
Electronics for receiving AVHRR ??  
Satellite Tracking  
What happened to...

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>  
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Thu, 2 Sep 1993 00:48:32 GMT  
From: spsgate!mogate!newsgate!nuntius@uunet.uu.net  
Subject: 11 year old with an interest in Space  
To: ham-space@ucsd.edu

Hi. I have an 11 year old boy that is very interested in SPACE (well,  
mostly Star Trek). I would like to use that enthusiasm and encourage it  
by building (with him) an amateur satellite Rx/Tx (maybe EME?) station  
out in the barn. This is meant to be a learning experience for him, not  
a hobby for me, which complicates it somewhat. I can get involved in all  
sorts of fool things and enjoy it. I need to balance his understanding  
and interests. This balance never seems to be easy.

I've been going through the ARRL Handbook and the ARRL antenna book, but  
I have no familiarity with the amateur satellite community and the  
"normal" ways of doing this. Anyway, this is what I was thinking about  
trying. I'll get a radio (Yaesu 5200 ?) and a high gain antenna.  
Something like a Cushcraft 26B2. I see "satellite antennas" for sale,  
though I don't know why they are different. I assume I will need to

mount this antenna on a rotor, though I have no idea yet about what type of rotor (any rotor in the AES catalog?). He would help me put this together and mount the antenna, and then track the satellites. This setup should allow us to then make contact with satellites (including MIR?) and maybe even try some EME. Does this seem like a reasonable way to set this up? Any better recommendations? Reference sources or national clubs with magazines? I'd appreciate any help that you can give me. I'd like to see my son become excited enough to start studying for his license.

Thanks,  
Jim

"A vacuum is a hell of a lot better than some of the stuff that Nature replaces it with." Tennessee Williams.

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Date: Thu, 2 Sep 1993 10:11:01 GMT  
From: olivea!charnel!psgrain!ee.und.ac.za!hippo.ru.ac.za!pukrs7.puk.ac.za!sttlmb.puk.ac.za!sttlmb@uunet.uu.net  
Subject: Electronics for receiving AVHRR ??  
To: ham-space@ucsd.edu

I am presently receiving Meteosat (NOAA and METEOR as well) APT on 1691 and 1694.5 MHz.

Most of the electronics is home-made and the software is also self-written. The display resolution is 600x600 pixels with 64 gray-scales and software functions include auto-start, auto-storing of pictures, animation, zooming and false-color enhancement.

I now would like to expand my system to include NOAA AVHRR. I have the articles by Christieson from Wireless World Nov. '80 to Jan. '81 for building the receiver/decoder. It would be of great help if anyone can give me more up-to-date information for building the complete decoder.

Thanks

Louis.

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Date: Wed, 1 Sep 1993 16:16:00 GMT  
From: pravda.sdsc.edu!news.cerf.net!usc!yeshua.marcam.com!news.kei.com!ub!acsu.buffalo.edu!ubvms.cc.buffalo.edu!v087jsfu@network.ucsd.edu

Subject: Satellite Tracking  
To: ham-space@ucsd.edu

Is there any satellite tracking software available written for VAX use?  
If so, where can I get a copy? Thanks.

Danny Anderson  
N2UPM

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Date: 2 Sep 93 10:25:36  
From: idacrd.ccr-p.ida.org!idacrd!n4hy@uunet.uu.net  
Subject: What happened to...  
To: ham-space@ucsd.edu

Denis:

A0-10 lost its computer and cannot be switched to Mode L. It had an antenna relay problem anyway and was not very sensitive. A0-13 recently lost the HPA for 70 cm so can no longer transmit on Mode L. Since there are NO RESOURCES for you to use Mode L, it has indeed lost its popularity ;-). Mode L is indeed planned for the 'next big one', Phase III-D. All of this stuff was in ANS bulletins.

Bob

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